

Claims

1. A lubricating oil composition which comprises a lubricating base oil, (A) a boron-containing ashless dispersant in an amount of 0.004 to 0.05 percent by mass in terms of boron, based on the total mass of the composition, (B) an alkaline earth metal-based detergent with a base number of 0 to 500 mgKOH/g in an amount of 0.01 percent by mass or more in terms of an alkaline earth metal, based on the total mass of the composition, and (C) a sulfur-based additive in an amount of 0.01 to 0.3 percent by mass in terms of sulfur, based on the total mass of the composition.

2. The lubricating oil composition according to claim 1 wherein Component (A) is a succinimide modified with a boron compound.

3. The lubricating oil composition according to claim 1 wherein Component (B) is an alkaline earth metal calcium or an alkaline earth metal magnesium.

4. The lubricating oil composition according to claim 1 wherein Component (B) is sulfonate or salicylate.

5. The lubricating oil composition according to claim 1 wherein Component (C) is at least one compound selected from the group consisting of (C-1) thiazole compounds, (C-2) thiadiazole compounds, (C-3) dithiocarbamate compounds, (C-4) molybdenum

dithiocarbamate compounds, (C-5)

dihydrocarbylpolysulfide compounds, and (C-6)

sulfurized ester compounds.

6. The lubricating oil composition according to claim 1 wherein it is used in transmissions for automobiles.